Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/10/2017 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124578	-1	1.96	124460	1.95
Blue	F	SSC	125000	124089	-1	3.46	124449	3.31
Blue	E	FITC	23795	23073	-4	2.94	1030	10.51
Blue	D	PE	29673	29200	-2	2.52	1050	10.12
Blue	B	PerCP-Cy5-5	48943	47937	-3	3.85	1370	17.53
Blue	A	PE-Cy7	44112	44001	-1	5.48	677	37.21
Red	C	APC	54273	53209	-2	2.86	3062	9.93
Red	A	APC-Cy7	54945	54036	-2	2.88	1115	11.77
Violet	B	V450	15756	14931	-6	5.08	719	9.66
Violet	A	V500	62569	60725	-3	4.89	2706	7.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19527	2.81	610	-4	N/A	N/A	Pass
Blue	F	SSC	61222	1.96	547	1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	547	-3	0.0201	164	Pass
Blue	D	PE	229	29.14	545	-1	0.1488	214	Pass
Blue	B	PerCP-Cy5-5	213	45.12	635	-4	0.0093	41	Pass
Blue	A	PE-Cy7	73	124.00	693	-6	0.0108	12	Pass
Red	C	APC	355	29.17	603	3	0.0182	60	Pass
Red	A	APC-Cy7	121	41.34	581	-3	0.0048	1129	Pass
Violet	B	V450	88	40.81	478	6	0.0414	1494	Pass
Violet	A	V500	197	22.48	507	8	0.0123	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.63	-31.12	0.81
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	16.77	13.27 - 19.91	N/A	N/A	31.24	31.67	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14823

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments